

### ABSTRACT OF THE DISCLOSURE

A nutrient and anti-microbial delivery agent and method comprises a pet mastication article and the impregnation of nutrients, anti-microbial agents, flavoring and other suitable ingredients to enhance the flavor and healthy properties of the pet mastication article and effectively deliver desirable nutrients to a pet. The nutrients, anti-microbial agents, flavorings and other properties are impregnated by vacuum impregnation technology, wherein these agents and properties are effectively sealed into the pet mastication article and released upon use of the article by a pet.